

10/089,625

=> => d his

(FILE 'HOME' ENTERED AT 15:51:37 ON 21 MAR 2004)

FILE 'REGISTRY' ENTERED AT 15:51:41 ON 21 MAR 2004  
L1 SCREEN 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047  
L2 STRUCTURE UPLOADED  
L3 QUE L2 NOT L1  
L4 1 S L3 SSS SAM  
L5 28 S L3 SSS FUL

FILE 'CAPLUS' ENTERED AT 15:52:22 ON 21 MAR 2004  
L6 5 S L5

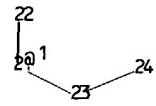
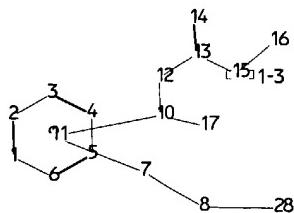
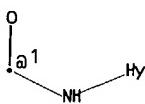
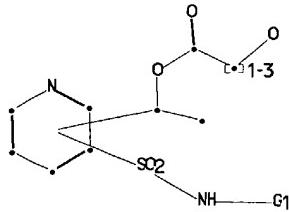
FILE 'CAOLD' ENTERED AT 15:52:45 ON 21 MAR 2004

=> s 15  
L7 0 L5

=> log y  
COST IN U.S. DOLLARS SINCE FILE TOTAL  
ENTRY SESSION  
FULL ESTIMATED COST 0.42 180.27  
  
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL  
ENTRY SESSION  
CA SUBSCRIBER PRICE 0.00 -3.47

STN INTERNATIONAL LOGOFF AT 15:52:58 ON 21 MAR 2004

C:\Program Files\Common Files\System\Mapi\1033\NT



chain nodes :

7 8 10 12 13 14 15 16 17 21 22 23 24 28

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 8-28 10-12 10-17 12-13 13-14 13-15 15-16 21-22 21-23 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

7-8 8-28 10-12 12-13 13-14 15-16 21-22 21-23 23-24

exact bonds :

10-17 13-15

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 21:CLASS 22:CLASS  
23:CLASS 24:Atom 28:CLASS

Generic attributes :

24:

Saturation : Unsaturated

Number of Carbon Atoms : less than 7

Number of Hetero Atoms : 2 or more

Type of Ring System : Monocyclic

Element Count :

**Node 24: Limited**

C,C4  
N,N2  
O,OO  
S,SO

10/089, 625

=> ....Testing the current file.... screen

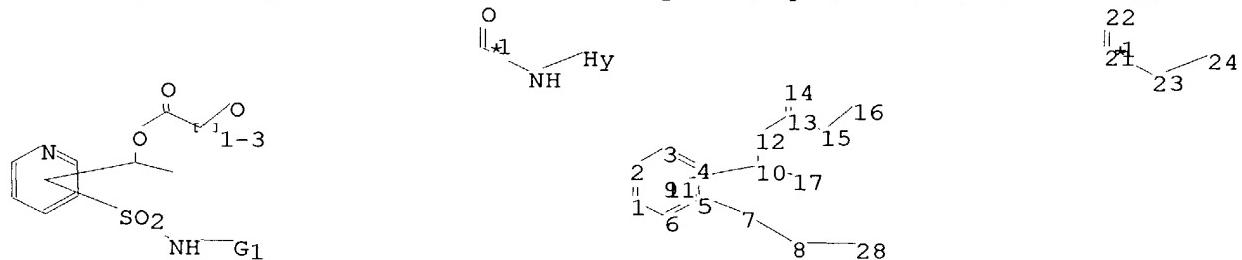
ENTER SCREEN EXPRESSION OR (END) :end

=> screen 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Common Files\System\Mapi\1033\NT\10089625.str



chain nodes :

7 8 10 12 13 14 15 16 17 21 22 23 24 28

ring nodes :

1 2 3 4 5 6

chain bonds :

7-8 8-28 10-12 10-17 12-13 13-14 13-15 15-16 21-22 21-23 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

7-8 8-28 10-12 12-13 13-14 15-16 21-22 21-23 23-24

exact bonds :

10-17 13-15

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:H, [\*1]

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS  
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 21:CLASS  
22:CLASS 23:CLASS 24:Atom 28:CLASS

10/089,625

Generic attributes :  
24:  
Saturation : Unsaturated  
Number of Carbon Atoms : less than 7  
Number of Hetero Atoms : 2 or more  
Type of Ring System : Monocyclic

Element Count :  
Node 24: Limited  
C,C4  
N,N2  
O,O0  
S,S0

L2 STRUCTURE UPLOADED

=> que L2 NOT L1

L3 QUE L2 NOT L1

=> d 13  
L3 HAS NO ANSWERS  
L1 SCR 2016 OR 2026 OR 2039 OR 2040 OR 2045 OR 2047  
L2 STR  
\*\*\* STRUCTURE DIAGRAM IS NOT AVAILABLE \*\*\*

Structure attributes must be viewed using STN Express query preparation.  
L3 QUE L2 NOT L1

=> s 13 sss sam  
SAMPLE SEARCH INITIATED 15:52:08 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 173 TO ITERATE

100.0% PROCESSED 173 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 2671 TO 4249  
PROJECTED ANSWERS: 1 TO 80

L4 1 SEA SSS SAM L2 NOT L1

=> s 13 sss ful  
FULL SEARCH INITIATED 15:52:16 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 3265 TO ITERATE

100.0% PROCESSED 3265 ITERATIONS 28 ANSWERS  
SEARCH TIME: 00.00.01

L5 28 SEA SSS FUL L2 NOT L1

10/089,625

=> => s 15  
L6 5 L5  
=> d 16 1-5 bib,ab,hitstr

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2004:20880 CAPLUS  
 DN 140:72561  
 TI High throughput screening of plant growth regulators using  
 phytomixotrophic cells  
 IN Kwak, Sang-soo; Lee, Haeng-soon; Kwon, Suk-yoon; Kim, Chang-jin; Lee,  
 Hyang-burm; Lee, Sang-han  
 PA Korea Research Institute of Bioscience and Biotechnology, S. Korea  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004003225	A1	20040108	WO 2003-KR1041	20030528
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			

PRAI KR 2002-36512 A 20020627

AB The present invention relates to a method for high throughput screening of plant growth regulator, more particularly to the method comprising; (1) culturing phytomixotrophic cells in a microwell plate in which candidates of plant growth regulator were added, (2) treating 2,3,5-triphenyltetrazolium chloride thereto, (3) reacting thereof by adding ethanol after removing solns. from microwells, (4) transferring the reacting solution into the new microwell plate, and (5) measuring optical d. with a high throughput screening reader. Since the method of the present invention can rapidly and conveniently screen many samples and can also evaluate in vivo activities of plant growth regulators, it can effectively be used as a screening method for plant growth inhibitors and activators.

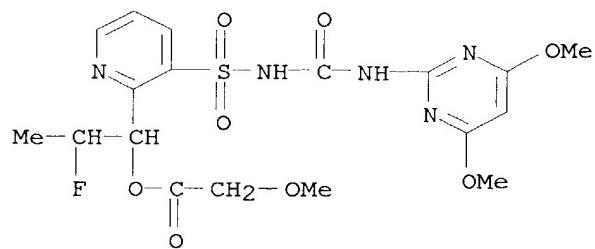
IT 412928-75-7, LGC-42153

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)  
 (high throughput screening of plant growth regulators using  
 phytomixotrophic cells)

RN 412928-75-7 CAPLUS

CN Acetic acid, methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)

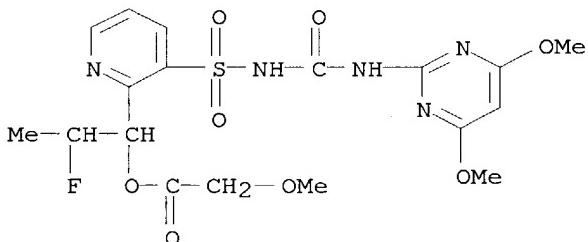
10/089, 625



RE.CNT 4

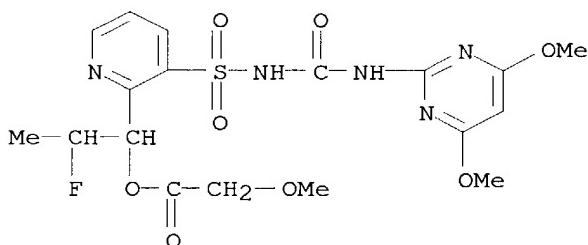
THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:876367 CAPLUS  
 DN 140:124001  
 TI Degradation of the sulfonylurea herbicide LGC-42153 in flooded soil  
 AU Kim, Jin; Liu, Kwang-hyeon; Kang, Seung-hun; Koo, Suk-jin; Kim, Jeong-han  
 CS School of Agricultural Biotechnology, Seoul National University, Suwon,  
 441-744, S. Korea  
 SO Pest Management Science (2003), 59(11), 1260-1264  
 CODEN: PMSCFC; ISSN: 1526-498X *not find*  
 PB John Wiley & Sons Ltd.  
 DT Journal  
 LA English  
 AB LGC-42153, 2-fluoro-1-[3-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)pyridin-2-yl]propyl methoxyacetate, is a new sulfonylurea herbicide for use in rice. Its breakdown and metabolism were studied in soil under flooded condition using radioactive tracers labeled at either the Pr group or the pyrimidine ring. The half-life of LGC-42153 was approx. 3.0 days. The mass balance over 120 days ranged from 94.0 to 104.2% of applied radiocarbon, and no significant amount of volatiles or [<sup>14</sup>C]carbon dioxide were observed. Solvent non-extractable radiocarbon reached 11.apprx.14% of applied radiocarbon at 120 days after treatment. The major metabolic reaction was the cleavage of the carboxyl ester bond to give 1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(1-hydroxy-2-fluoropropyl)pyridine-3-sulfonyl]urea, which underwent hydrolysis of the sulfonylurea bridge giving 2-(1-hydroxy-2-fluoro)propyl-3-pyridinesulfonamide and 4,6-dimethoxy-2-aminopyrimidine.  
 IT 412928-75-7, LGC-42153  
 RL: BSU (Biological study, unclassified); BIOL (Biological study)  
 (degradation of LGC-42153 in flooded soil)  
 RN 412928-75-7 CAPLUS  
 CN Acetic acid, methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



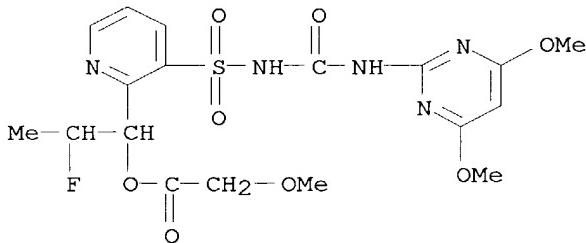
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:713491 CAPLUS  
 DN 139:376608  
 TI Degradation of the sulfonylurea herbicide LGC-42153 in flooded soil  
 AU Kim, Jin; Liu, Kwang-Hyeon; Kang, Seung-Hun; Koo, Suk-Jin; Kim, Jeong-Han  
 CS School of Agricultural Biotechnology, Seoul National University, Suwon,  
 441-744, S. Korea  
 SO Pest Management Science (2003), 59(9), 1037-1042  
 CODEN: PMSCFC; ISSN: 1526-498X  
 PB John Wiley & Sons Ltd.  
 DT Journal  
 LA English  
 AB LGC-42153 [2-fluoro-1-[3-(4,6-dimethoxypyrimidin-2-ylcarbamoylsulfamoyl)pyridin-2-yl]propyl methoxyacetate] is a new sulfonylurea herbicide for use in rice. Its breakdown and metabolism was studied in soil under flooded conditions using two radioactive tracer compds. labeled at either the Pr group or the pyrimidine ring. The half-life of LGC-42153 was approx. 3.0 days. The mass balance over 120 days ranged from 94.0 to 104.2% of applied radiocarbon, and no significant amount of volatiles or [<sup>14</sup>C]carbon dioxide were observed. Solvent nonextractable radiocarbon reached about 11-14% of applied radiocarbon at 120 days after treatment. The major metabolic reaction was the cleavage of the carboxyl ester bond to give 1-(4,6-dimethoxypyrimidin-2-yl)-3-[2-(1-hydroxy-2-fluoropropyl)pyridine-3-sulfonyl]urea, which underwent hydrolysis of the sulfonylurea bridge giving 2-(1-hydroxy-2-fluoro)propyl-3-pyridinesulfonamide and 4,6-dimethoxy-2-aminopyrimidine.  
 IT 412928-75-7, LGC-42153  
 RL: BSU (Biological study, unclassified); REM (Removal or disposal); BIOL (Biological study); PROC (Process)  
     (degradation of the sulfonylurea herbicide LGC-42153 in flooded soil)  
 RN 412928-75-7 CAPLUS  
 CN Acetic acid, methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]-2-pyridinyl-2-fluoropropyl ester (9CI) (CA INDEX NAME)



RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2003:97 CAPLUS  
 DN 138:102337  
 TI Aerobic soil metabolism of a new herbicide, LGC-42153  
 AU Kim, Jin; Liu, Kwang-Hyeon; Kang, Seung-Hun; Koo, Suk-Jin; Kim, Jeong-Han  
 CS School of Agricultural Biotechnology, Seoul National University, Suwon,  
 441-744, S. Korea  
 SO Journal of Agricultural and Food Chemistry (2003), 51(3), 710-714  
 CODEN: JAFCAU; ISSN: 0021-8561  
 PB American Chemical Society  
 DT Journal  
 LA English  
 AB To elucidate the fate of a new sulfonylurea herbicide, LGC-42153 [N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-2-(1-methoxyacetoxymethyl)-3-pyridinesulfonamide], in soil, an aerobic soil metabolism study was carried out for 120 days with [<sup>14</sup>C]LGC-42153 applied to a loamy soil. The material balance ranged from 90.7 to 101.5% of applied herbicide. The half-life of [<sup>14</sup>C]LGC-42153 was calculated to be approx. 9.0 days. The degradation products resulted from the cleavage of the sulfonylurea bridge. The metabolites identified during the study were N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-2-(1-hydroxy-2-fluoropropyl)-3-pyridinesulfonamide, 2-(1-hydroxy-2-fluoropropyl)-3-pyridinesulfonamide, and 4,6-dimethoxy-2-aminopyrimidine. No significant volatile products or [<sup>14</sup>C]carbon dioxide was observed during the study. Nonextractable <sup>14</sup>C-residue reached 14.4-30.5% of applied material at 120 days after treatment, and radioactivity was distributed mostly in the humin and fulvic acid fractions.  
 IT 412928-75-7, LGC 42153  
 RL: AGR (Agricultural use); CPS (Chemical process); PEP (Physical, engineering or chemical process); REM (Removal or disposal); BIOL (Biological study); PROC (Process); USES (Uses)  
     (aerobic soil metabolism of herbicide)  
 RN 412928-75-7 CAPLUS  
 CN Acetic acid, methoxy-, 1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2002:293643 CAPLUS  
 DN 136:325552  
 TI Preparation of herbicidally active pyridylsulfonyl ureas  
 IN Koo, Suk-Jin; Cho, Jin-Ho; Kim, Jeong-Su; Kang, Seung-Hun; Kang,  
     Kyung-Goo; Kim, Dae-Whang; Chang, Hae-Sung; Ko, Young-Kwan; Ryu, Jae-Wook  
 PA LG Chem Investment, Ltd., S. Korea  
 SO PCT Int. Appl., 36 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030921	A1	20020418	WO 2000-KR1138	20001012
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2000079661	A5	20020422	AU 2000-79661	20001012
	AU 760178	B2	20030508		
	BR 2000014412	A	20020611	BR 2000-14412	20001012
	EP 1334099	A1	20030813	EP 2000-970259	20001012
	EP 1334099	B1	20040310		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				

PRAI WO 2000-KR1138 A 20001012

OS CASREACT 136:325552; MARPAT 136:325552

AB The title compds. [I; n = 1-3; R = H, alkyl; R1 = H, alkyl, haloalkyl,  
 etc.; X, Y = alkyl, alkoxy, haloalkoxy, halo] which show effective  
 herbicidal activity in pre- and/or post-emergence treatment in rice  
 farming, were prepared Thus, reacting erythro-4-chloro-2-[2-fluoro-1-  
 (methoxycetoxyl)propyl]pyridine-3-carboxamide with Ph (4,6-  
 dimethoxypyrimidin-2-yl)carbamate in the presence of DBU in MeCN afforded  
 erythro-I [n = 1; R = Me; R1 = Cl; X, Y = OMe]. Herbicidal activity and  
 phytotoxicity of the compds. I was tested and data given.

IT 412928-62-2P 412928-63-3P 412928-64-4P

412928-69-9P 412928-70-2P 412928-71-3P

412928-72-4P 412928-73-5P 412928-75-7P

412928-76-8P 412928-77-9P 412928-78-0P

412928-79-1P 412928-80-4P 412928-81-5P

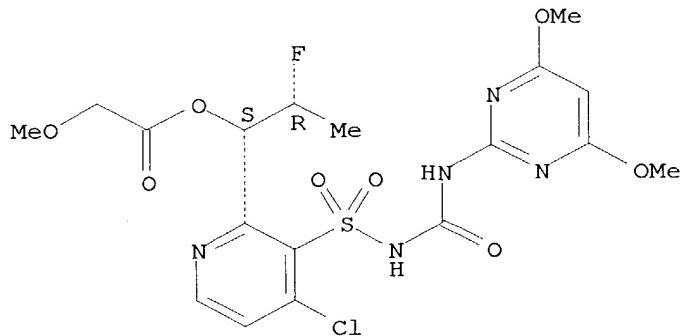
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN  
 (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES  
 (Uses)

(preparation of herbicidally active pyridylsulfonyl ureas)

RN 412928-62-2 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[4-chloro-3-[[[(4,6-dimethoxy-2-  
 pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl  
 ester, rel- (9CI) (CA INDEX NAME)

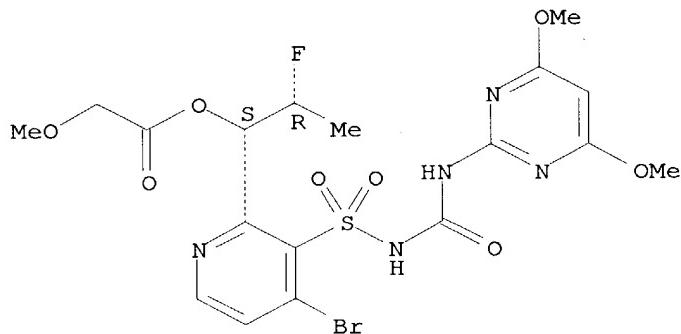
Relative stereochemistry.



RN 412928-63-3 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[4-bromo-3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

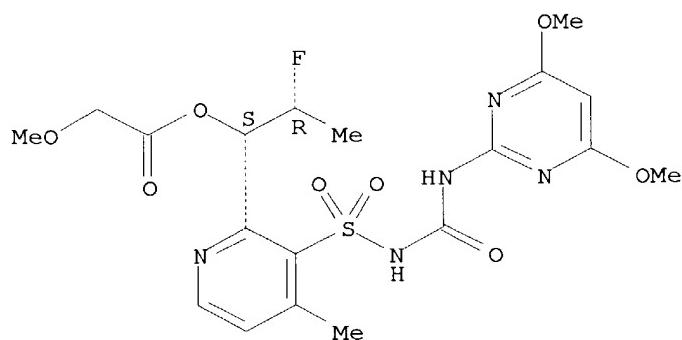
Relative stereochemistry.



RN 412928-64-4 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-4-methyl-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

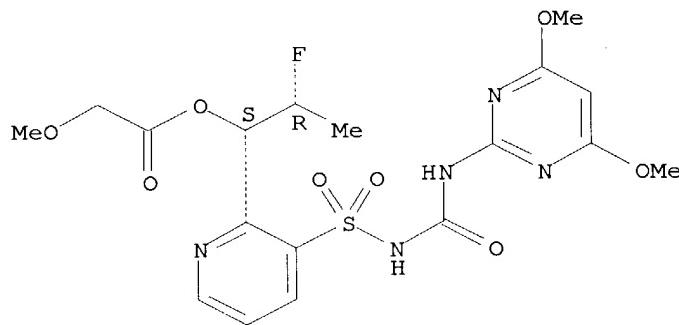
Relative stereochemistry.



RN 412928-69-9 CAPIUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

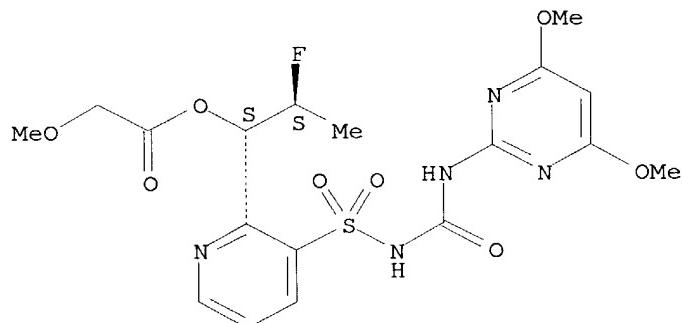
Relative stereochemistry.



RN 412928-70-2 CAPIUS

CN Acetic acid, methoxy-, (1R,2R)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

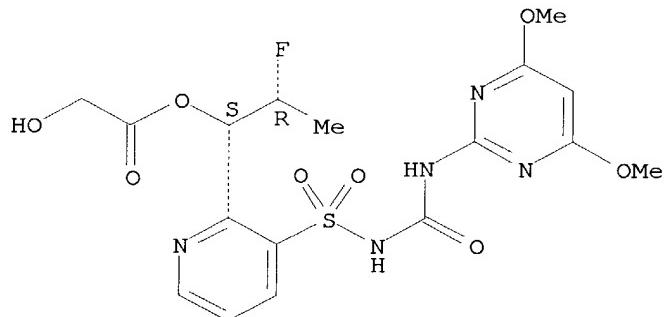
Relative stereochemistry.



RN 412928-71-3 CAPLUS

CN Acetic acid, hydroxy-, (1R,2S)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

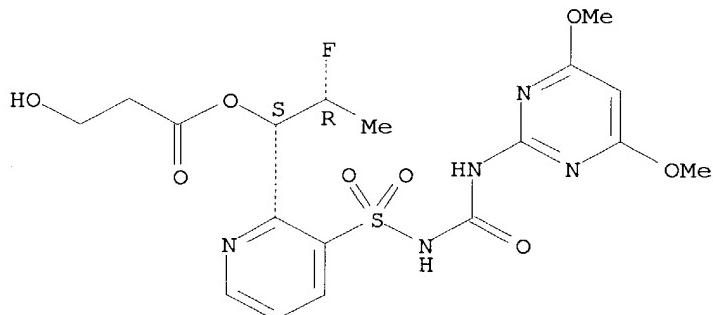
Relative stereochemistry.



RN 412928-72-4 CAPLUS

CN Propanoic acid, 3-hydroxy-, (1R,2S)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

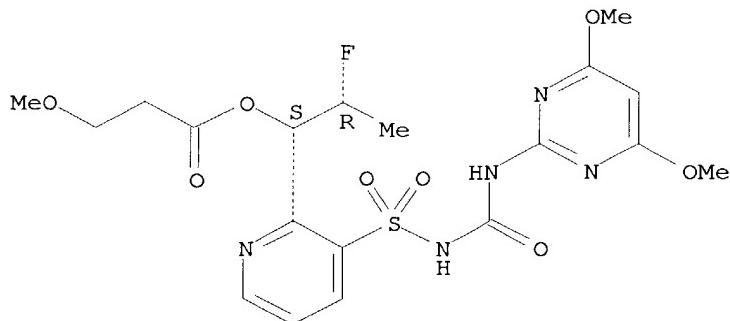
Relative stereochemistry.



RN 412928-73-5 CAPLUS

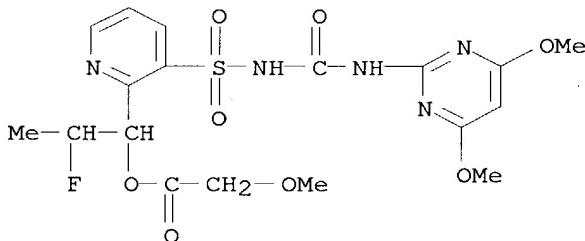
CN Propanoic acid, 3-methoxy-, (1R,2S)-1-[3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



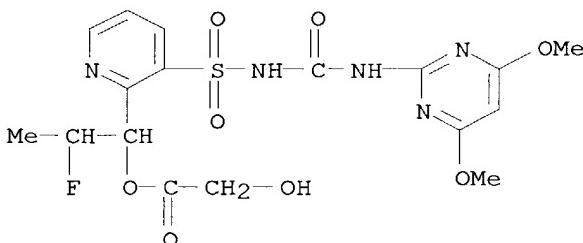
RN 412928-75-7 CAPLUS

CN Acetic acid, methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



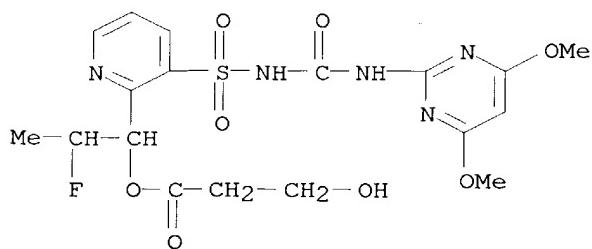
RN 412928-76-8 CAPLUS

CN Acetic acid, hydroxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



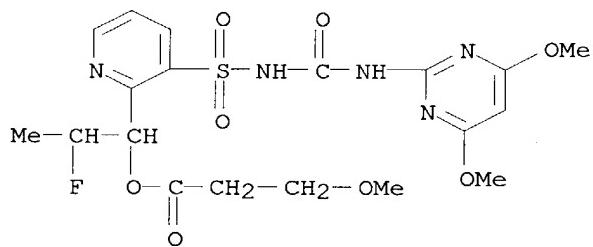
RN 412928-77-9 CAPLUS

CN Propanoic acid, 3-hydroxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



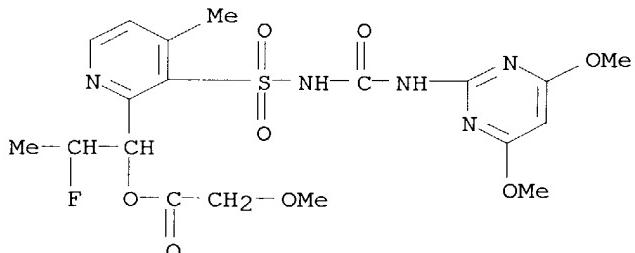
RN 412928-78-0 CAPLUS

CN Propanoic acid, 3-methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



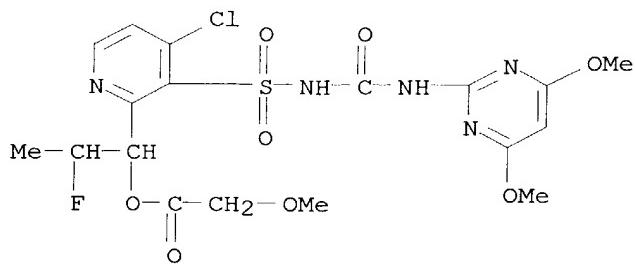
RN 412928-79-1 CAPLUS

CN Acetic acid, methoxy-, 1-[3-[[[[4,6-dimethoxy-2-pyrimidinyl]amino]carbonyl]amino]sulfonyl]-4-methyl-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



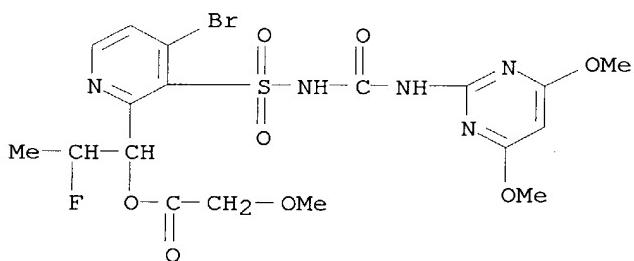
RN 412928-80-4 CAPLUS

CN Acetic acid, methoxy-, 1-[4-chloro-3-[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



RN 412928-81-5 CAPLUS

CN Acetic acid, methoxy-, 1-[4-bromo-3-[[[[[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



IT 412928-85-9 412928-86-0 412928-87-1

412928-88-2

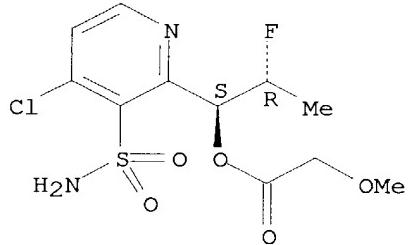
RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of herbicidally active pyridylsulfonyl ureas)

RN 412928-85-9 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-(aminosulfonyl)-4-chloro-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

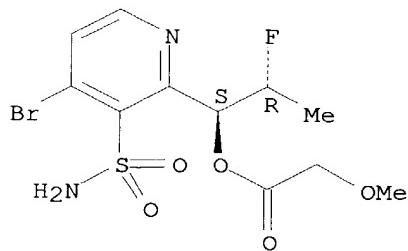
## Relative stereochemistry.



RN 412928-86-0 CAPLUS

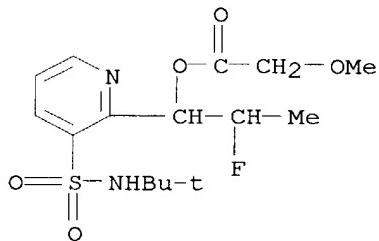
CN Acetic acid, methoxy-, (1R,2S)-1-[3-(aminosulfonyl)-4-bromo-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

## Relative stereochemistry.



RN 412928-87-1 CAPLUS

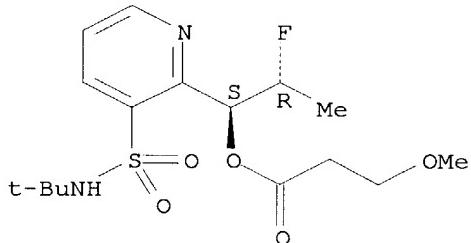
CN Acetic acid, methoxy-, 1-[3-[(1,1-dimethylethyl)amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



RN 412928-88-2 CAPLUS

CN Propanoic acid, 3-methoxy-, (1R,2S)-1-[3-[(1,1-dimethylethyl)amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



IT 412928-57-5P 412928-59-7P 412928-65-5P

412928-66-6P 412928-67-7P 412928-68-8P

412928-74-6P 412928-82-6P 412928-83-7P

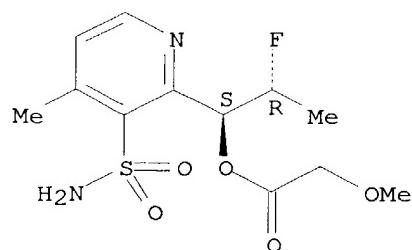
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of herbicidally active pyridylsulfonyl ureas)

RN 412928-57-5 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-(aminosulfonyl)-4-methyl-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

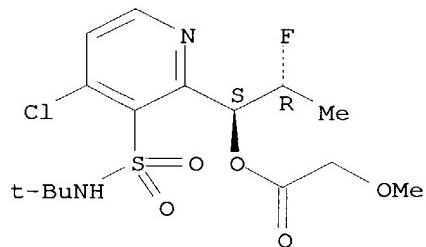
Relative stereochemistry.



RN 412928-59-7 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[4-chloro-3-[(1,1-dimethylethyl)amino]sulfonyl]-2-pyridinyl]-2-fluoropropyl ester, rel-(9CI) (CA INDEX NAME)

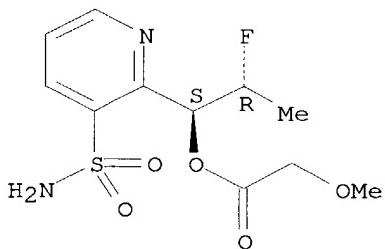
Relative stereochemistry.



RN 412928-65-5 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester, rel-(9CI) (CA INDEX NAME)

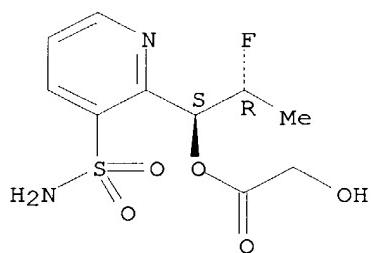
Relative stereochemistry.



RN 412928-66-6 CAPLUS

CN Acetic acid, hydroxy-, (1R,2S)-1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester, rel-(9CI) (CA INDEX NAME)

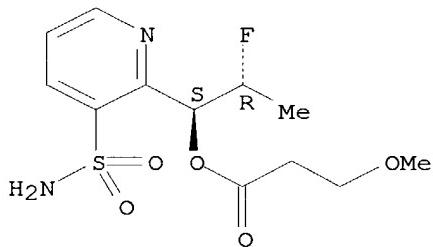
Relative stereochemistry.



RN 412928-67-7 CAPLUS

CN Propanoic acid, 3-methoxy-, (1R,2S)-1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

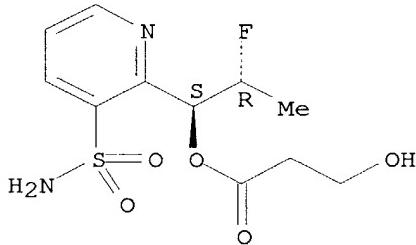
Relative stereochemistry.



RN 412928-68-8 CAPLUS

CN Propanoic acid, 3-hydroxy-, (1R,2S)-1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

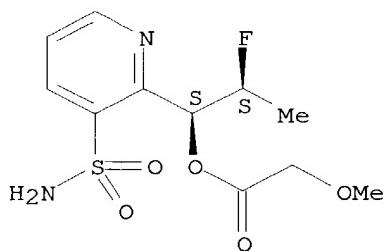
Relative stereochemistry.



RN 412928-74-6 CAPLUS

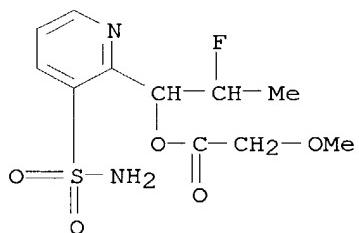
CN Acetic acid, methoxy-, (1R,2R)-1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 412928-82-6 CAPLUS

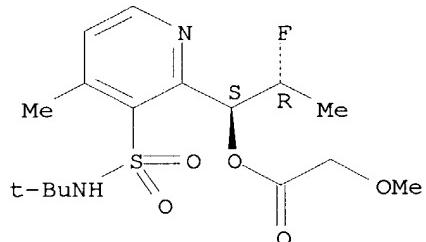
CN Acetic acid, methoxy-, 1-[3-(aminosulfonyl)-2-pyridinyl]-2-fluoropropyl ester (9CI) (CA INDEX NAME)



RN 412928-83-7 CAPLUS

CN Acetic acid, methoxy-, (1R,2S)-1-[3-[(1,1-dimethylethyl)amino]sulfonyl]-4-methyl-2-pyridinyl]-2-fluoropropyl ester, rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT